Technical Bulletin

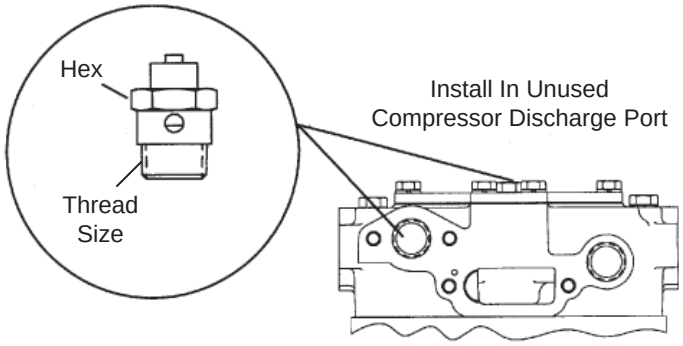
Bulletin No: TCH-001-040 Effective Date: 10/25/2011 Cancels: PRO-01-40 dated 12/1/94

Subject: **SAFETY VALVE FOR INSTALLATION ON BENDIX COMPRESSORS**

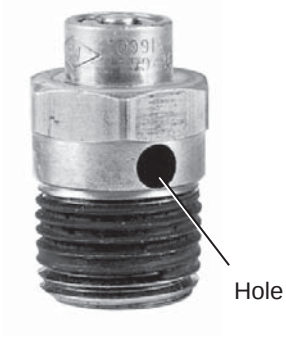
The Bendix® ST-4™ safety valve is available for installation into the cylinder head of the Bendix® Tu-Flo® 550, Tu-Flo® 750, BA-921® and BA-922® compressors to prevent excessive cylinder head pressure in the event the discharge line is blocked. The excessive pressure typically results in compressor damage and may cause subsequent engine damage.

These safety valves are installed in the unused compressor discharge port. During normal operation the air pressure in the compressor exerts a force on the safety valve piston, which is held against its seat by the safety valve spring. When the operating pressure acting upon the safety valve piston exceeds the force of the safety valve spring, the safety valve piston opens and vents the pressure to atmosphere. The safety valve is preset to relieve pressures above 250 psi and comes in a variety of thread sizes as shown in the table below.

Because these safety valves are designed specifically for this application, a standard safety valve must not be used in lieu of the valves shown here.



Typical Compressor Cylinder Head



ST-4™ Safety Valve

Bendix® ST-4™ Safety Valve Piece No.	Thread Size	Hex Size	Number of Exhaust Holes	Pressure Setting
131081 (includes washer)	1/4-18	9/16”	2	250 psi
800154	1/2-14	7/8”	2	
800533	3/4-16	7/8”	2	
800534	M16	7/8”	2	
801116	7/8-14	15/16”	2	

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